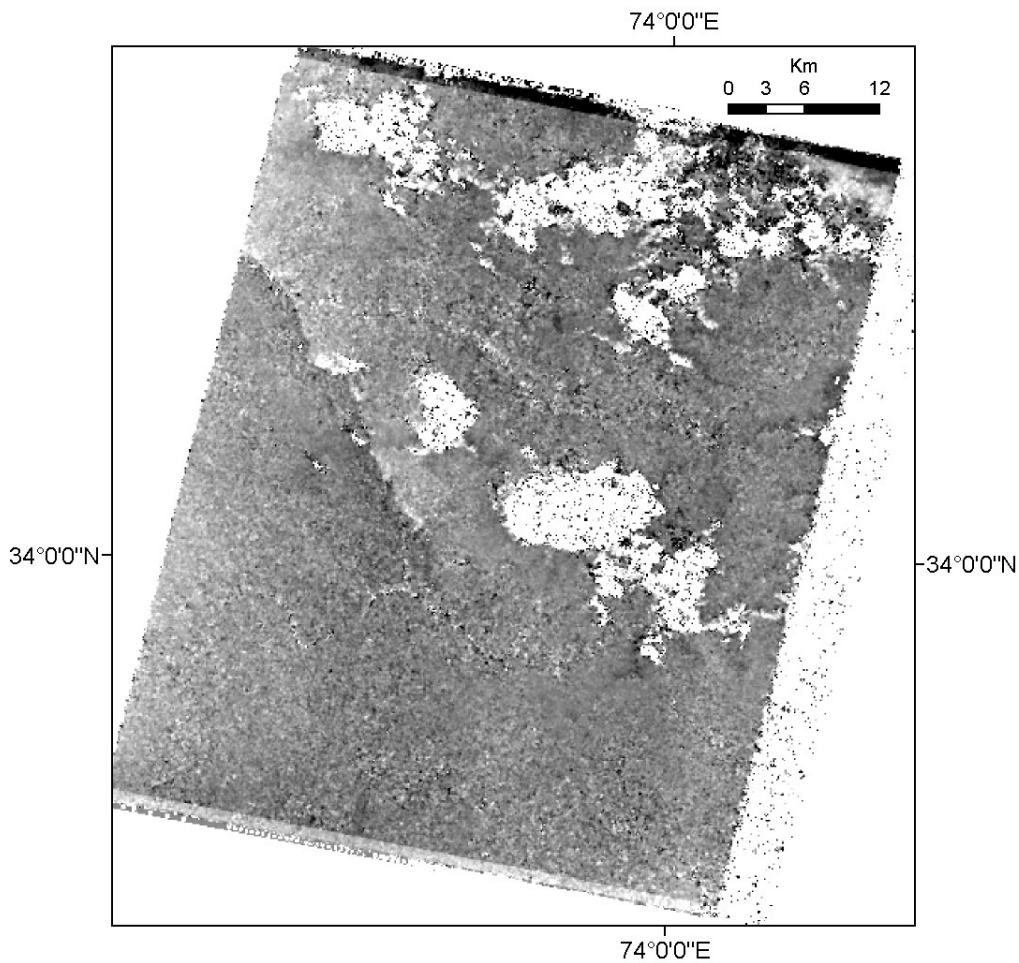


# The 2005, $M_w$ 7.6 Kashmir earthquake: sub-pixel correlation of ASTER images and seismic waveforms analysis.

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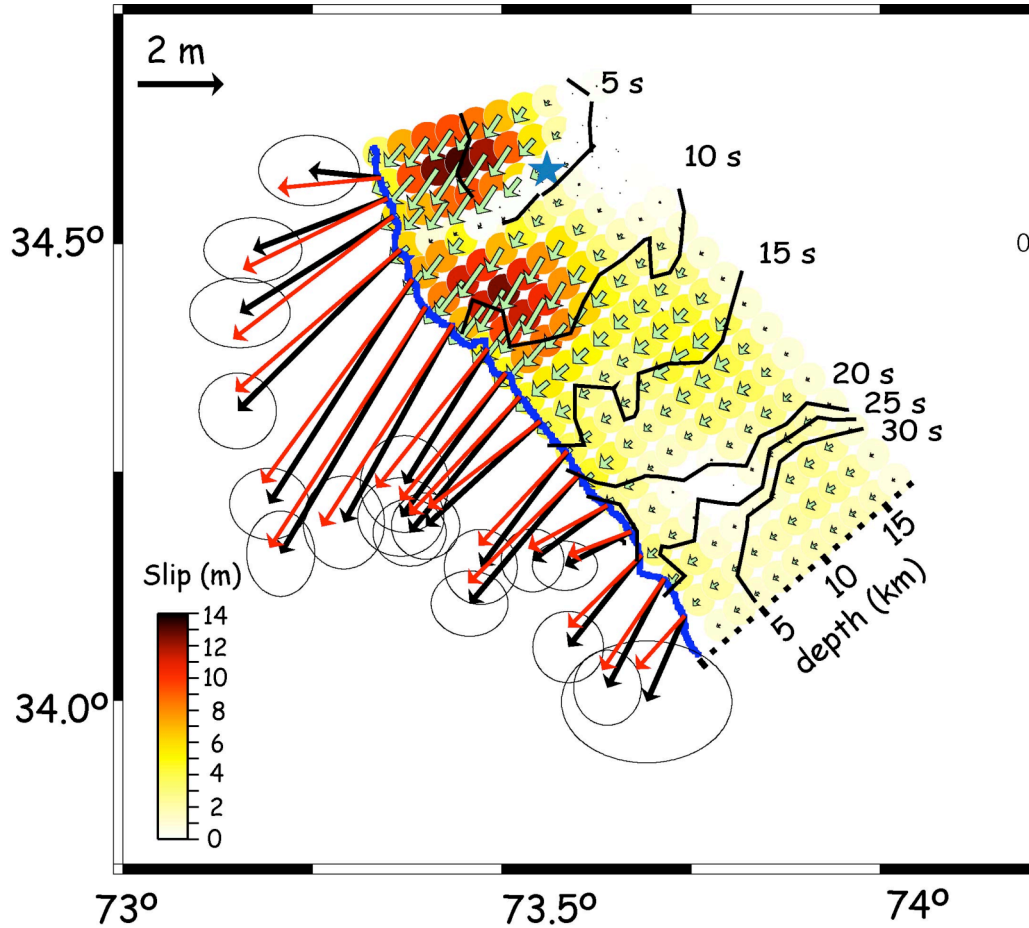
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## Supplementary Figures



**Figure S1:** Northward ground displacements (white to the south, black to the north), determined from the correlation of ASTER images AST\_L1A.003:20030303221 of April

30, 2001, and AST\_L1A.003:2034036048 of April 24, 2006. The incidence view is  $5.7^\circ$  for both images. The correlation image was obtained with a sliding  $32 \times 32$  pixels window and 8-pixel step. Ground resolution on the correlation image is 120m.



**Figure S2:** Slip distribution derived from the seismic waveforms and surface slip distribution assuming an epicenter 12km northwest of that determined by the USGS. Modeled slip distribution and isochrones showing the rupture kinematics obtained from the modeling of teleseismic body waves. The fault geometry consists of two planar fault segments following the fault trace, subdivided in the horizontal and downdip direction in 2km by 3km cells. The star shows the location of the nucleation points, on the fault plane, at  $34.58^\circ\text{N}$ ,  $73.56^\circ\text{E}$ .